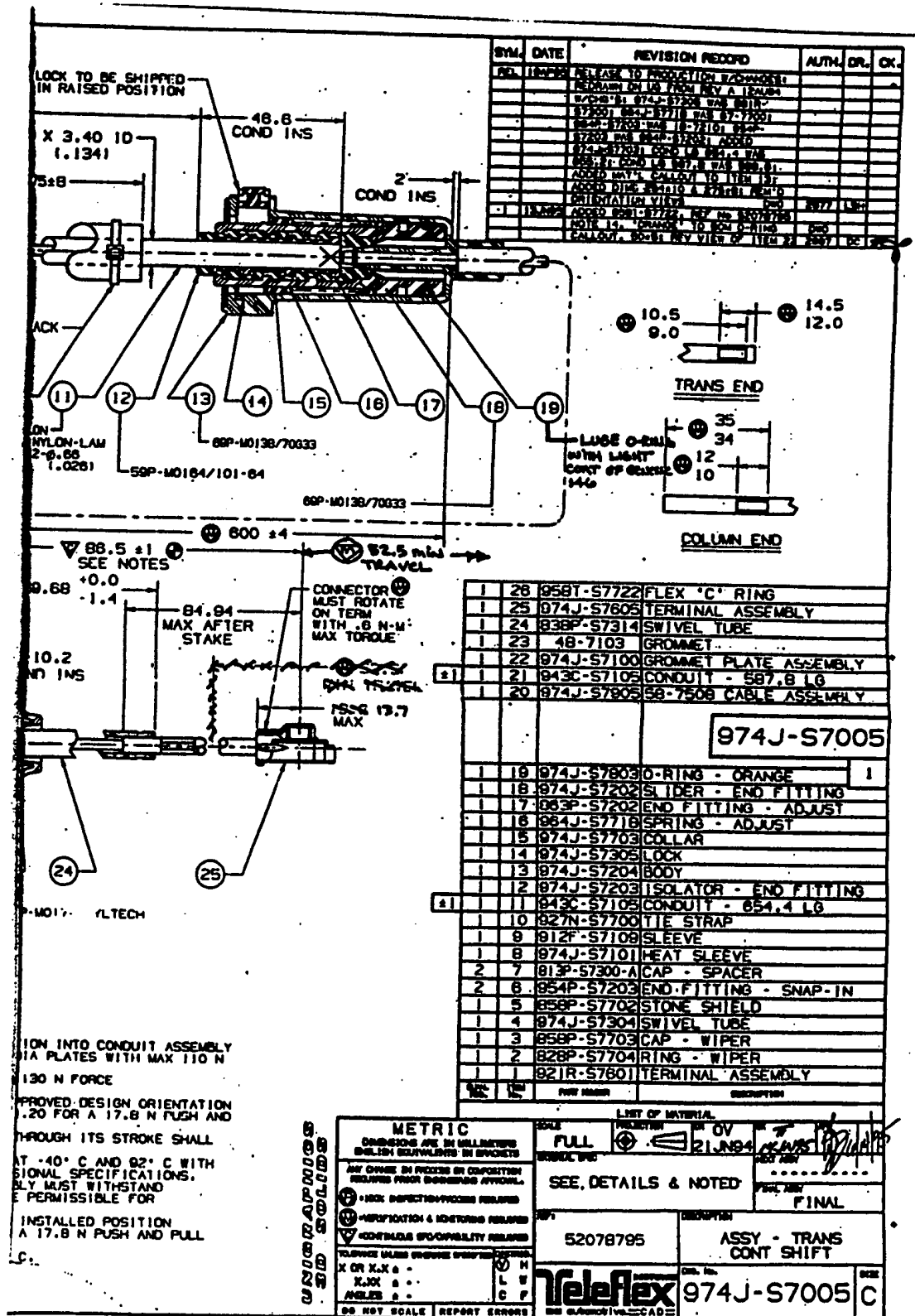
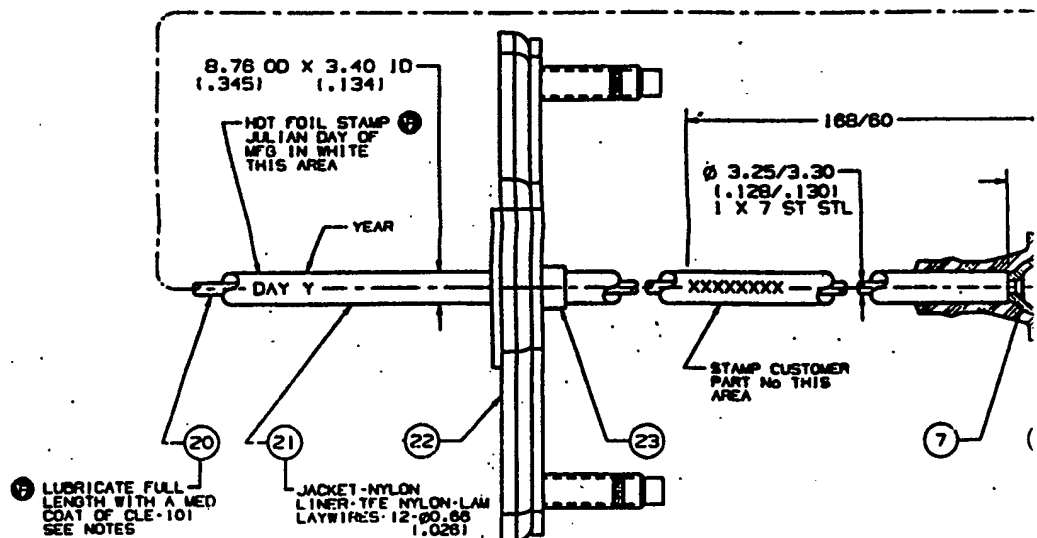
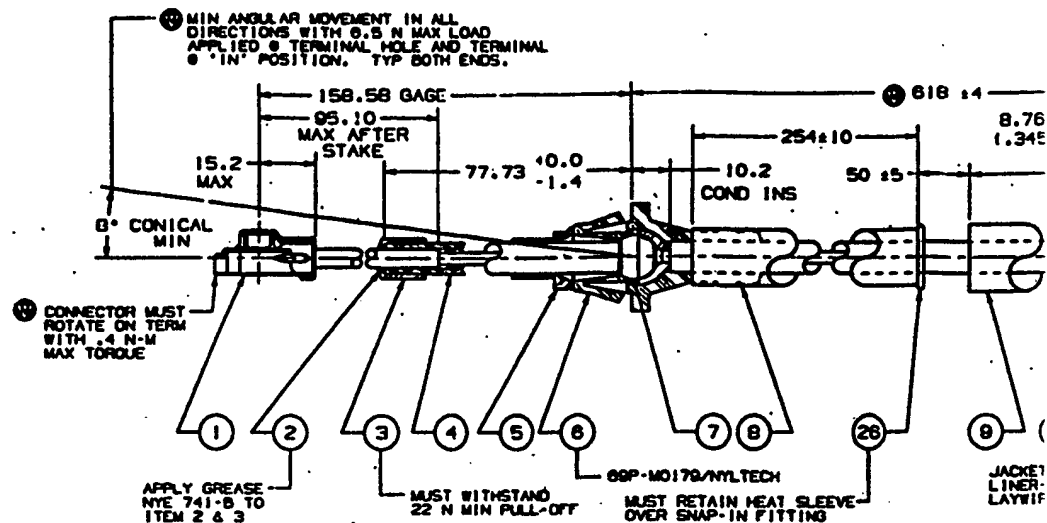


BEST AVAILABLE COPY



BEST AVAILABLE COPY



NOTES:

1. ALL DIMENSIONS NOT TOLERANCED ARE FOR REFERENCE ONLY.
2. PROCESS CONDUIT PER ESDC-7100 BOTH ENDS.
3. CONDUIT & END FITTINGS MUST WITHSTAND 445 N TENSION & COMPRESSION WITHOUT SLIPPING OR CRACKING.
4. TERMINAL & CORE MUST WITHSTAND 890 N PULL WITHOUT SLIPPING, YIELDING, OR CRACKING.
5. CABLE MUST BE CLEAN AND FREE OF DIRT AND OTHER FOREIGN MATERIAL PRIOR TO APPLICATION OF LUBE AND 1
6. FLOOR/COLUMN END FITTING END FITTING MUST SNAP INTO 2.55/2.20 THK AND APPROPRIATELY KEYED 20.30/20.30 FORCE AND WITHSTAND 450 N MIN PULLOUT LOAD.
7. TRANS END FITTING MUST SNAP INTO 2.80/3.20 THK AND APPROPRIATELY KEYED 22.40/22.70 DIA PLATES WITH AND WITHSTAND 450 N MINIMUM PULLOUT LOAD.
8. BACKLASH - DIMENSION & TOLERANCE MARKED Ø IS TO BE QUALIFIED @ 123.58 WITH CONTROL ROUTED IN HAND BY ENGINEER, OPPOSITE END GAGED & FIXED AT 111.5. QUALIFICATION SHALL INCLUDE A MAX TOTAL BACKLASH PULL LOAD AT 22.2° C AND 0.1 CYCLES.
9. OPERATION EFFORTS - WHEN ROUTED IN INSTALLED POSITION THE FREE STATE EFFORT REQUIRED TO MOVE THE C NOT EXCEED 13.3 N AT 22.2° C.
10. DURABILITY - IN INSTALLED ROUTING, ASSEMBLY MUST CYCLE THROUGH MIN SPECIFIED TRAVEL FOR 50,000 CYC RATE OF 10 CPM MIN WITH AN OUTPUT LOAD OF 89 N WITHOUT FAILURE OF ANY PHYSICAL PART OR EXCEEDING 1
11. CONSTRUCTION STRENGTH & INTEGRITY - WHEN ROUTED IN INSTALLED POSITION SHOWN BY CUSTOMER DRAWING, A TENSILE LOAD OF 890 N & A COMPRESSIVE LOAD OF 180 N. NO YIELDING, PERMANENT DEFORMATION OR CRACK EITHER MODE. NOT MORE THAN 3 DEFLECTION IS PERMISSIBLE FOR THE COMPRESSION MODE @ 22.2° C.
12. LIFECYCLE BACKLASH - DIMENSION & TOLERANCE MARKED Ø IS TO BE QUALIFIED @ 123.58 WITH CONTROL ROUTE AND OPPOSITE END GAGED & FIXED AT 111.5. QUALIFICATION SHALL INCLUDE A MAX TOTAL BACKLASH OF 2.2° LOAD AT 22.2° C AFTER 50,000 CYCLES.
13. CONTROL MUST OPERATE AND MAINTAIN DIMENSIONAL AND PERFORMANCE CRITERIA FOR A TEMP RANGE OF -40° TO 177° C.
14. CONTROL MUST PASS 200 LB ADUSIVE PULL-OUT PARK LOAD FROM -40° C TO 177° C TEMP WITH NO GAGE LENGTH CHANGE - CONTROL FULLY FUNCTIONAL. 2 SECOND LOAD RAMP UP, 1 SECOND HOLD LOAD, FULL RELEASE 100 CYCLES.